

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,989,863 B1
APPLICATION NO. : 09/384973
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INVENTOR(S) : Hidekazu Takahashi

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON TITLE PAGE AT (54) TITLE

"AD" should read --AND--.

COLUMN 1

Line 3, "AD" should read --AND--.

COLUMN 4

Line 27, " $C_{SM}\} \cdot G_{DCM}$ " should read -- $C_{SM}\} \cdot G_{DCM}$ --.

COLUMN 5

Line 25, " -2_T " should read -- $2N_T$ --; and

Line 26, " $(-2N_T + n_M)$." should read -- $(-2N_T + N_M)$ --.

COLUMN 6

Line 63, " ϕ_{CR} ," should read -- ϕ_{GR} --.

Signed and Sealed this

Eighth Day of August, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office